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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,226	11/19/2003	Ji-Young Kim	39894-00601 6919	
29880 FOX ROTHSC	7590 10/17/2007 CHILD LLP	EXAMINER		
PRINCETON PIKE CORPORATE CENTER			ROBERTS, LEZAH	
997 LENOX DRIVE, BUILDING #3 LAWRENCEVILLE, NJ 08648			ART UNIT	PAPER NUMBER
			1614	
			MAIL DATE	DELIVERY MODE
			10/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	· · · · · · · · · · · · · · · · · · ·	Application No.	Applicant(s)			
Office Action Summary		10/717,226	KIM ET AL.			
		Examiner	Art Unit			
		Lezah W. Roberts	1614			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	correspondence address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing red patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tirgonial 17(iii) apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 30 Ju	i <u>ly 2007</u> .				
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4)⊠ Claim(s) <u>158-164,166-202 and 205-218</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)⊠	Claim(s) <u>158-164, 166-202 and 205-207</u> is/are	allowed.				
6)🖂	6)⊠ Claim(s) <u>208-214,217 and 218</u> is/are rejected.					
·	Claim(s) 215 and 216 is/are objected to.					
8)[_]	Claim(s) are subject to restriction and/or	r election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No.						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)	4) ∐ Interview Summary Paper No(s)/Mail D				
3) 🔲 Infor	mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	5) Notice of Informal I				

DETAILED ACTION

This Office Action is in response to the amendment filed July 30, 2007. All previous rejections have been withdrawn unless stated below.

The indicated allowability of claims 208-209, 212-214 and 217-218 is withdrawn in view of the newly discovered reference(s) to McAnalley et al., Frate et al. and Jenkins et al. Rejections based on the newly cited reference(s) follow.

This action is made NON-FINAL.

Claims

Claim Rejections - 35 USC § 102 – Anticipation (New Rejection)

Claims 212 and 214 are rejected under 35 U.S.C. 102(b) as being anticipated by McAnalley et al. (US 5,409,703).

McAnalley et al. disclose dried hydrogel compositions comprising therapeutic agents. The dried hydrogel can be transformed to a hydrogel upon absorption of addition liquid medium (see Abstract). The hydrogel is self-adherent when wet (col. 12. lines 20-22). The compositions may be use in the oral cavity. Polymers that are used in the hydrogels include polyvinyl pyrrolidone (col. 13, lines 60-67). One example discloses Plasdone (polyvinyl pyrrolidone) and hydrogen peroxide. The hydrogen peroxide is disclosed at about 4% when the composition disclose in Table two is dried. The compositions may further comprise hydroxy ethyl cellulose. The hydrogel is placed on a sheet, which encompasses a backing layer. The reference anticipates the claims

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insofar as it discloses a dry patch comprising hydrogen peroxide and polyvinyl pyrrolidone.

Claim Rejections - 35 USC § 103 - Obviousness (New Rejection)

1) Claim 213 is rejected under 35 U.S.C. 103(a) as being unpatentable over McAnalley et al. (US 5,409,703) in view of Jenkins et al. (US 4,940,587).

The primary reference, McAnalley et al., is discussed above. The reference differs from the instant claim insofar as it does not disclose the compositions comprise hydroxypropylmethyl cellulose.

Jenkins et al. is used as a general teaching to show different hydroxyalkyl cellulose polymers are at times used interchangeably (as equivalents) in compositions that deliver pharmaceuticals to the mucosa of the oral cavity. These include hydroxypropylmethyl, hydroxypropyl, hydroxyethyl and hydroxymethyl cellulose (col. 2, lines 53-65). The reference differs from the instant claim insofar as it does not disclose the hydroxypropylmethyl cellulose was incorporated into compositions comprising hydrogen peroxide and polyvinyl pyrrolidone.

It is obvious to replace one component for another equivalent component if it is recognized in the art that two components are equivalent and is not based on the Applicant disclosure. See In re Ruff, 256 F.2d 590, 118 USPQ 340 (CCPA 1958); see also In re Scott, 323 F.2d 1016, 139 USPQ 297. It is also prima facie obviousness to select a known material based on its suitability for its intended use. See Sinclair & Carroll Co. v. Interchemical Corp., 325 U.S. 327, 65 USPQ 297 (1945). Also,

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established precedent holds that it is generally obvious to add known ingredients to known compositions with the expectation of obtaining their known function. See, e.g., In re Linder, 457 F.2d 506, 507 (CCPA 1972); see also In re Dial, 326 F.2d 430, 432 (CCPA 1964). It would have been obvious to one of ordinary skill in the art to have used hydroxypropylmethyl cellulose in place of hydroxyethyl cellulose as a hydrophilic material in the compositions of the primary reference based on the prior art's recognition that such species are equivalent in function, as supported by cited precedent.

2) Claims 208-211 and 217-218 are rejected under 35 U.S.C. 103(a) as being unpatentable over McAnalley et al. (US 5,409,703) in view of Frate et al. (US 2001/0049417).

The primary reference, McAnalley et al., is discussed above. In regards to claim 211, polyvinyl pyrrolidone may be considered a stabilizer for hydrogen peroxide¹. The reference differs from the instant claims insofar as it does not disclose the compositions comprise a plasticizer.

Frate et al. is used as a general teaching to disclose conventional additives used in hydrogel compositions. The additives include humectants such as glycerin, propylene glycol and sorbitol (paragraph 0073). The reference differs from the instant claims insofar as it does not disclose the plasticizers are incorporated into compositions comprising hydrogen peroxide and polyvinyl pyrrolidone.

¹ Breitenbach et al. (US 5,945,032) col. 1, lines 28-30

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It is prima facie obviousness to select a known material based on its suitability for its intended use. See Sinclair & Carroll Co. v. Interchemical Corp., 325 U.S. 327, 65 USPQ 297 (1945). Also, established precedent holds that it is generally obvious to add known ingredients to known compositions with the expectation of obtaining their known function. See, e.g., In re Linder, 457 F.2d 506, 507 (CCPA 1972); see also In re Dial, 326 F.2d 430, 432 (CCPA 1964). It would have been obvious to one of ordinary skill in the art to have incorporated a humectant such as glycerin into the compositions of the primary reference motivated by the desire to use the humectant for its specific function, as supported by cited precedent.

Allowable Subject Matter

The reason for allowance of claims 158-163, 165-202, 205-207 and 212-218 are previous discussed in the previous Office Action mailed January 29, 2007.

Claims 215-216 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 208-214 and 217-218 are rejected.

Claims 215-216 are objected.

Claims 158-164, 166-202 and 205-207 are allowed.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lezah W. Roberts whose telephone number is 571-272-1071. The examiner can normally be reached on 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ardin H. Marschel can be reached on 571-272-0718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Lezah Roberts Patent Examiner Art Unit 1614

Lephkon

Frederick Krass **Primary Examiner** Art Unit 1614

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